Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/28/2020 10:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	121862	-3	2.62	121944	2.55
Blue	F	SSC	125000	123007	-2	1.86	123659	1.83
Blue	E	FITC	15892	15357	-4	2.90	336	20.92
Blue	D	PE	29999	29205	-3	2.03	636	15.28
Blue	B	PerCP-Cy5-5	43732	43252	-2	3.83	1162	21.18
Blue	A	PE-Cy7	30845	30590	-1	6.38	584	43.17
Red	C	APC	46112	45145	-3	2.50	1590	12.22
Red	A	APC-Cy7	30458	29698	-3	2.41	782	11.85
Violet	B	V450	7918	7598	-5	4.31	443	12.45
Violet	A	V500	32171	31581	-2	4.16	745	10.16

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16062	14.71	651	30	N/A	N/A	Pass
Blue	F	SSC	56768	1.36	583	24	N/A	N/A	Pass
Blue	E	FITC	60	68.96	552	9	0.0186	173	Pass
Blue	D	PE	132	51.50	558	10	0.1485	260	Pass
Blue	B	PerCP-Cy5-5	213	52.33	665	9	0.0084	69	Pass
Blue	A	PE-Cy7	108	108.34	710	12	0.0098	20	Pass
Red	C	APC	382	24.71	588	4	0.0236	80	Pass
Red	A	APC-Cy7	173	29.25	558	2	0.0059	1390	Pass
Violet	B	V450	67	55.72	472	14	0.0566	2081	Pass
Violet	A	V500	111	32.18	488	14	0.0251	755	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.84	-32.41	0.87
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.40
Red	16.98	13.60 - 20.40	N/A	N/A	29.98	30.21	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9619

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments